

(12) AUSTRALIAN PATENT ABRIDGMENT

(19) AU

(11) AU-B-71066/81

Ceased

(54) MINE MACHINE TRIM CHAIN ADJUSTMENT

(71) NATIONAL MINE SERVICE COMPANY

(21) 71066/81 544623 (22) 27.5.81

(24) 16.6.80

(31) 159581 (32) 16.6.80 (33) US

(43) 24.12.81 (44) 6.6.85

(51)³ E21C 27/01 E21C 27/24 E21C 31/08

(72) MAURICE K. LeBEGUE AND EARL C. MICHAEL

(74) SF

(56) US 2711889

US 2719709

US 2743093

(57) Claim

1. A mining machine comprising, a mobile frame, said mobile frame having a front end portion adapted to advance to a position opposite a mine face, a cutter chain carrying bar movably positioned on said mobile frame front end portion, power means mounted on said mobile frame front end portion for moving said cutter chain carrying bar between a first position extended outwardly from said mobile frame and a second position retracted inwardly on said mobile frame, a chain guide member carried by said cutter chain carrying bar, said chain guide member being positioned for lateral movement on said cutter chain carrying bar, a cutter chain supported for rotation on said cutter chain carrying bar and said chain guide member, roller means rotatably mounted on said cutter chain carrying bar for taking up slack generated in said cutter chain, guide slots in said chain guide member for receiving said roller means, linkage means pivotally connected to said mobile frame for moving said chain guide member

.../2

laterally on said cutter chain carrying bar upon actuation of said power means, said linkage means being pivotally connected at one end to said mobile frame and connected at the opposite end to said chain guide member, retainer means between said cutter chain carrying bar and said chain guide member to maintain sliding contact therebetween, said retainer means including a retainer secured to one of said cutter chain carrying bar and said chain guide member and extending through a horizontally extending opening in the other of said cutter chain carrying bar and said chain guide member to limit said chain guide member to movement along a horizontal path relative to said cutter chain carrying bar as said cutter chain carrying bar moves upwardly and downwardly, said power means being operable upon actuation to move said cutter chain carrying bar to a preselected position between said first and second positions on said mobile frame front end portion, and said linkage means being adapted upon movement of said cutter chain carrying bar to pivot on said mobile frame and move said chain guide member between a fully extended position and a fully retracted position relative to said mobile frame to a preselected position corresponding to the preselected position of said cutter chain carrying bar.

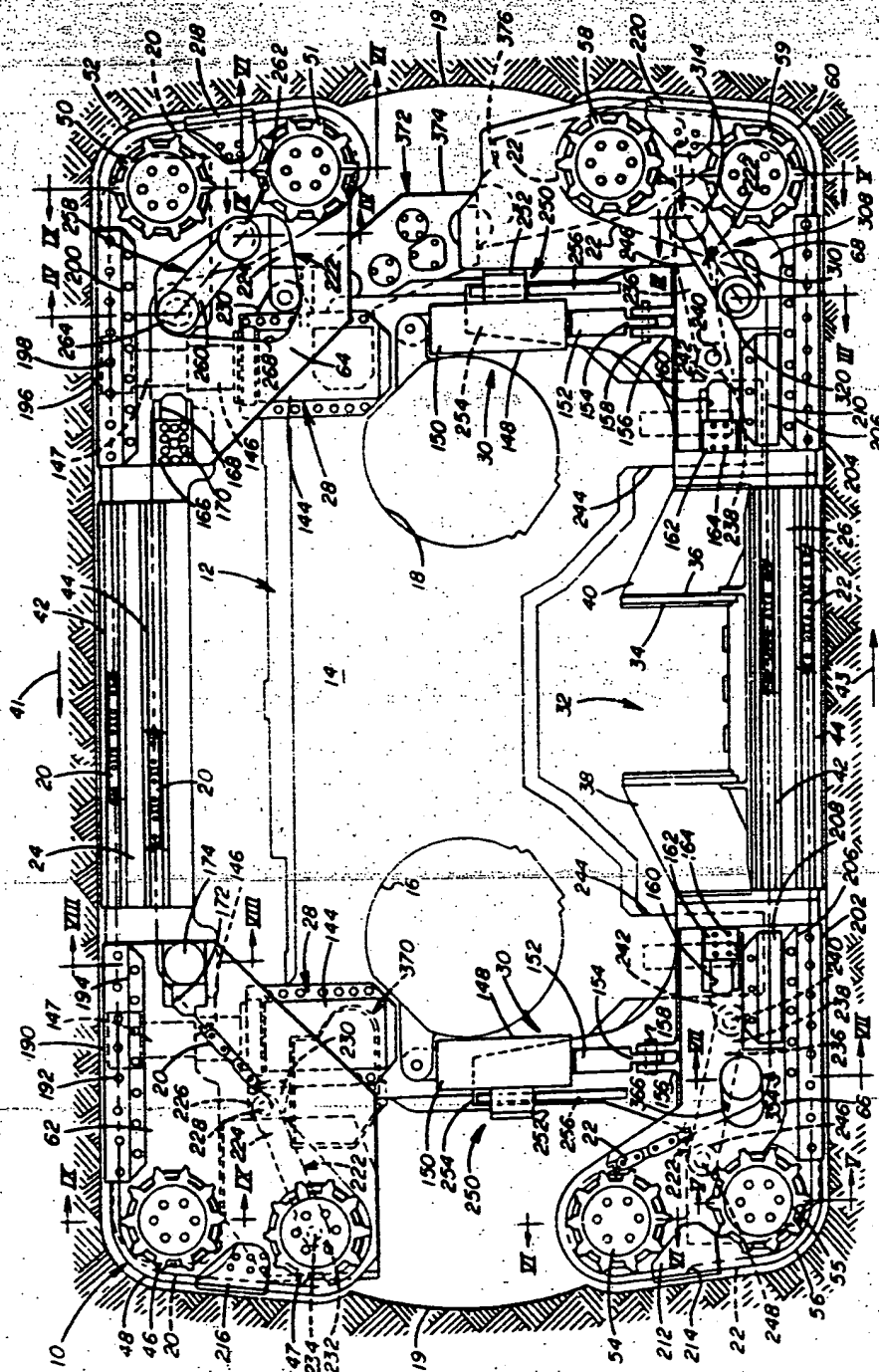


FIG. 1

BEST AVAILABLE COPY